

Detailed Course Scheme
Bachelor of Arts (B.A.)

(History/ Political Science/ Economics)

Semester-IV
(2025-2029)

DOC202506220008



RNB GLOBAL UNIVERSITY

RNB Global City, Ganganagar Road,
Bikaner, Rajasthan 334601

OVERVIEW

RNB Global University follows Semester System along with Choice Based Credit System as per latest guidelines of University Grants Commission (UGC). Accordingly, each academic year is divided into two semesters, **Odd (July-December)** and **Even (January-June)**. Also, the university follows a system of continuous evaluation along with regular updating in course curricula and teaching pedagogy.

The curriculum for BA program for (January-June) Even Semester, 2027 along with Examination pattern is as follows:

Semester -IV

| S. No | Course Code | Course Category | Course Name | L | T | P | Credits |
|-------|-------------|-----------------|--|-----------|----------|----------|-----------|
| 1. | BAGC32251 | DSC-H4 | Citizen Laws and Rights | 3 | 1 | 0 | 4 |
| 2. | BAGC33252 | DSC-P4 | Public Policy and Administration in India | 3 | 1 | 0 | 4 |
| 3. | BAGC34253 | DSC-E4 | Environmental Economics | 3 | 1 | 0 | 4 |
| 4. | GEC066013 | GE-4 | Entrepreneurship (Group B) | 3 | 1 | 0 | 4 |
| 5. | AECE55002 | AEC | Biodiversity and Environment Conservation | 2 | 0 | 0 | 2 |
| 6. | IAPC99349 | IAPC-2 | Internship/Apprenticeship / Project/ Community Outreach | 0 | 0 | 6 | 2 |
| 7. | VAC088014 | VAC-4 | Human Values and Professional Ethics (Group B) | 2 | 0 | 0 | 2 |
| 8. | WHNN99000 | | Workshops & Seminars Human Values/ Social Service/NCC/NSS | - | - | - | 1 |
| | | | Total | 16 | 4 | 6 | 23 |

EVALUATION SCHEME

The evaluation of the BA program would be based on Internal and External Assessments. Internal Assessment would consist of 50% of the marks (50 marks) and external assessment (in form of End Term Exam) would consist of remaining 50% marks (50 marks). Detailed scheme of Internal and External Assessments as follows:

Internal Assessment

The distribution of Internal Assessment Marks is as follows:

| Type | Details | Marks |
|---|------------------------------|-----------|
| Mid Term | One Mid-term Sessional | 25 |
| Quiz | Quiz based on MCQs | 5 |
| Marks obtained in various Tests, Assignments, Presentations, Tutorials etc. | Average of Marks obtained | 15 |
| Academic Performance including Attendance | Eligibility > 75% Attendance | 5 |
| TOTAL | | 50 |

External Assessment

| Type | Marks |
|--------|-------|
| Theory | 50 |

EVALUATION SCHEME- WORKSHOPS & SEMINARS AND HUMAN VALUES & SOCIAL SERVICE/NCC/NSS

1. The evaluation of Workshops & Seminar and Human Values & Social Service/NCC/NSS will be completed from Semester I – Semester VI. It will be evaluated internally by the various Forums & Schools Concerned. The credit for this will be given at the end of each Semester.
2. The students have to join club/clubs/Forums with the active participation in different activities of club. The students would be continuously assessed from Semester-I to Semester-IV and credits and marks would be given after the end of each Semester

1. Vision

Vision of BA Program is to be a distinguished center for arts education, research, and innovation, nurturing creativity, cultural appreciation, and intellectual growth to enrich society and inspire future generations.

2. Mission

Excellence in Learning – Provide a dynamic and inclusive learning environment that nurtures artistic talent, critical thinking, and ethical values for personal and professional growth.

Innovative Research – Advance knowledge in the arts through research that explores emerging trends, cultural narratives, and the evolving role of creativity in society.

Community Engagement – Strengthen connections with local and global communities by promoting artistic expression, cultural initiatives, and public outreach programs.

Cultural Sustainability – Support the preservation of artistic traditions while encouraging contemporary and experimental forms of creative expression.

Industry Collaboration – Develop strong partnerships with cultural institutions, creative industries, and global organizations to expand opportunities for artists and contribute to cultural and economic progress

3. Program Educational Objectives (PEO's)

PEO1: To overall develop deep knowledge of the social science through a flexible, research and cultural-oriented curriculum designed to meet the current demand of academia and research industry.

PEO2: To identify gap, formulate, comprehend, analysis, design and solve societal issues and challenges.

PEO3: To acquire techno-economic aptitude and apply the acquired practical skills and to develop broad training for better reach.

4. Programme Outcomes (PO's)

After the completion of this program students will be able to:

P01. Apply knowledge to the complex Socio-Political problems.

P02. Identify and analyse challenging issues in society at national or international level. Inculcate values of rights and duties, and transfer these values to real-life and for promoting community welfare.

P03. Use research-based knowledge and research methodologies to obtain reliable outcomes and develop socio-scientific research skills and apply it during programme & in practice.

P04. Interpret social and political problems and work towards finding solutions for the betterment of the Nation.

P05. Understand the impact of the societal & environmental contexts, and demonstrate the knowledge and need for sustainable development for society.

P06. Apply principles of professional ethics of respective profession.

P07. Develop leadership qualities amongst students.

P08. Communicate effectively with the social, cultural, national and international community. Ability to learn the art of communicating and demonstrating their skills.

P09. Provide a platform of self-employability by developing professional skills in respective social industry.

P010. Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broader context of social and political change.

5. Program Specific Outcome (PSO's)

PSO1: To demonstrate knowledge and understanding of various social issues and challenges.

PSO2: To develop the problem-solving methods of Analysing social problems and understanding social dynamics.

PSO3: To function in multi-disciplinary work environment, good interpersonal skills as a leader in a team in appreciation of professional ethics and societal responsibilities.

| 6. Course outcomes | |
|---|--|
| Course Code & Course Name | After completion of these courses' students should be able to |
| BAGC32251- Citizen Laws and Rights | <p>C01: Define various rights and laws related to citizens' rights.</p> <p>C02: Explain what kind of rights an individual can use when faces arrest or detention.</p> <p>C03: Apply their rights as per the need of situation.</p> <p>C04: Identify how to obtain important document which are mandatory for citizens.</p> <p>C05: Assess Benefiting from Government Programmes Ayushman Bharat Yojana Ujjwala Yojana.</p> |
| BAGC33252- Public Policy and Administration in India | <p>C01: Define the concept, characteristics and models Public Policy Process in India and Meaning, significance and approaches and types Local Self Governance: Rural and Urban</p> <p>C02: Explain the Concept, Significance of Budget and Budget Cycle in India Various Approaches and Types Of Budgeting.</p> <p>C03: Develop and Identify Administration Interface in Public Service Delivery and Redressal of Public Grievances: RTI, Lokpal, Citizens' Charter and E-Governance</p> <p>C04: Examine the Administration: E-governance Meaning and forms of public accountability and redressal of public grievances: RTI, Lokpal</p> <p>C05: Compare the Concept and Approaches of Social Welfare Policies: Right to Education, National Health Mission, Right to Food Security and MNREGA</p> |
| BAGC34253- Environmental Economics | <p>C01: Develop the concepts, methods and policy options in managing the environment using tools of economic analysis.</p> <p>C02: Examine different approaches to adjusting behaviour through economic institutions such as markets and incentives as well as through regulations.</p> <p>C03: Analyze the economic implications of environmental policies through practical applications of methods for valuation of environmental goods and services and quantification of environmental damages</p> <p>C04: Compare the impact of economic growth on the environment is also addressed under the rubric of sustainable development nationally and internationally.</p> <p>C05: Assess the benefits to the society from the initiatives and policies relating to environment theories.</p> |
| GEC066013- Entrepreneurship | <p>C01: Define entrepreneurial behavior and its constituents list out the qualities of entrepreneur.</p> <p>C02: Relate various theories and concepts of entrepreneurship in their working & interpret the various government policies for Start-ups and SME sector.</p> |

| | |
|--|---|
| | <p>C03: Make use of entrepreneurial knowledge & process in the economic development.</p> <p>C04: Discover the obstacles in the way of women entrepreneurship and analyze the feasibility of any business project.</p> <p>C05: Select an industry for perusing entrepreneurial venture.</p> |
| AECE55002- Biodiversity and Environment Conservation | <p>C01: Understand theoretical & Practical aspect of environment studies.</p> <p>C02: Acquire knowledge about environmental pollution sources, effects, and control measures of environmental pollution.</p> <p>C03: Analyze causes of environmental degradation</p> <p>C04: Apply innovations in business- an environmental Perspective</p> <p>C05: Explain different Environmental laws and policies.</p> |
| VAC088014- Human Values and Professional Ethics (VAC-4) | <p>C01: Know the importance of ethics, Moral values in Human life, Business.</p> <p>C02: Understand ethical issues related to business and good governance necessary for long term survival of business.</p> <p>C03: Analyze ethical dilemmas commonly faced in business contexts, applying ethical theories to evaluate and resolve these dilemmas</p> <p>C04: Apply ethical theories—Utilitarianism, Deontology, and Virtue Ethics—in analyzing and making ethical decisions in business contexts.</p> <p>C05: Analyze the relationship between values and behavior, understanding how ethical principles influence decision-making and actions.</p> |

7. CO PO Mapping

| BAGC32251 | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| C01 | 2 | 3 | | 3 | 2 | 2 | 3 | 3 | 2 | 2 |
| C02 | | 3 | 2 | 2 | | 2 | 2 | 2 | 3 | |
| C03 | 3 | | 3 | 3 | 3 | 2 | 2 | | 2 | 3 |
| C04 | 2 | 3 | 2 | | 2 | 2 | 2 | 2 | 2 | 2 |
| C05 | 3 | 2 | 3 | 3 | 3 | 3 | | 3 | 2 | 3 |

| BAGC33252 | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| C01 | 2 | 3 | 3 | 3 | 2 | 2 | 1 | 3 | 2 | 3 |
| C02 | | 3 | 2 | 2 | 3 | 2 | | 3 | | 3 |
| C03 | 3 | | 3 | 3 | 3 | | 2 | 3 | 2 | 3 |
| C04 | 2 | 3 | 2 | | 2 | | | 2 | 2 | |
| C05 | 3 | 2 | 3 | 3 | 3 | 1 | 2 | 3 | 2 | 3 |

| BAGC34232 | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| C01 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| C02 | 3 | 2 | 3 | 2 | 3 | 2 | | 3 | 2 | 2 |
| C03 | 3 | 1 | 1 | | 2 | 2 | 3 | 3 | 2 | 3 |
| C04 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 |
| C05 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |

| GEC066013 | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| C01 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 |
| C02 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 |
| C03 | 3 | | 2 | 3 | 2 | 3 | 3 | 2 | | 3 |
| C04 | | 2 | 2 | 3 | 2 | | 2 | 2 | 3 | 3 |
| C05 | 2 | | 2 | | 2 | 2 | 2 | 3 | 2 | 2 |

| AECE55002 | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| C01 | | 2 | 3 | 3 | 2 | | 3 | 3 | 3 | 2 |
| C02 | 2 | 2 | 2 | 2 | 2 | | | 3 | 2 | 3 |
| C03 | | 3 | 3 | 2 | | 3 | 3 | | 3 | 2 |
| C04 | 3 | 2 | | 2 | 2 | | 3 | 3 | 2 | 2 |
| C05 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | |

| VAC088014 | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P010 |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| C01 | | 2 | 3 | 3 | 2 | | 3 | 3 | 3 | 2 |
| C02 | 2 | 2 | 2 | 2 | 2 | | | 3 | 2 | 3 |
| C03 | | 3 | 3 | 2 | | 3 | 3 | | 3 | 2 |
| C04 | 3 | 2 | | 2 | 2 | | 3 | 3 | 2 | 2 |
| C05 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | |

8. Curriculum

Course name: Citizens, Laws and Rights (DSC)

Course Code: BAGC32251

Course Objectives:

The purpose of this module is to educate the students about the legal system of India which they need to know for discharging their responsibility as a common citizen of India where it would be possible to check on the arbitrary and illegal application of rules and laws leading to abuse of power. Such understanding makes citizens active and participatory and pushes the system towards responsible, accountable and transparent governance. Ignorance of laws and rights allow the system to exploit the citizens.

Course Outline

Unit I: Criminal Administration and Citizen's Rights

- I. Arrest, Detention, Bail Provisions
- II. Filing First Information Report
- III. Right to Privacy
- IV. Citizen's Rights during Interrogation and Investigation
- V. Sedition Act

Unit-II: Citizen Access to Information and Rights of Consumers

- I. Right to Information
- II. Consumer Protection Act

Unit III: Rights against Discrimination

- I. Laws against Caste discrimination and Untouchability
- I. Rights against Gender Discrimination
- III. Rights of women in ancestral Property

Unit-IV: Rights against Displacement

- I. Rights of the Forest Dwellers
- II. Rights of the displaced people

Unit-V: Documents for the Citizens

- I. Aadhar Card
- II. Voter Id Card
- III. Passport
- IV. National Registration of Citizens

Unit-VI: Benefiting from Government Programmes

- I. Ayushman Bharat Yojana
- II. Ujjwala Yojana

Suggested Readings:

1. Austin, G. (1999). The Indian Constitution: Cornerstone of a Nation. Oxford University Press.
2. Basu, D. D. (2018). Introduction to the Constitution of India (23rd ed.). LexisNexis.
3. Bhargava, R. (Ed.). (2008). Politics and Ethics of the Indian Constitution. Oxford University Press.
4. Chandhoke, N. (2005). Beyond Secularism: The Rights of Religious Minorities. Oxford University Press.
5. Desai, A. R. (1986). Violation of Democratic Rights in India. Popular Prakashan.
6. Dhavan, R. (1992). The Supreme Court of India: A Socio-Legal Critique of Its Juristic Techniques. Tripathi.
7. Ghosh, P. (2012). Federalism in India: A Quest for State Autonomy. Routledge.
8. Hasan, Z. (Ed.). (2010). Politics of Inclusion: Castes, Minorities, and Affirmative Action. Oxford University Press.
9. Jayal, N. G. (2013). Citizenship and Its Discontents: An Indian History. Harvard University Press.
10. Kashyap, S. C. (2008). Constitutional Law of India. Universal Law Publishing.
11. Khilnani, S., & Raghavan, V. (Eds.). (2014). Comparative Constitutionalism in South Asia. Oxford University Press.
12. Nariman, F. S. (2010). India's Legal System: Can It Be Saved?. Penguin Books India.
13. Pandey, J. N. (2020). Constitutional Law of India. Central Law Agency.
14. Pylee, M. V. (2017). Constitutional Government in India. S. Chand Publishing.
15. Rajagopal, B. (2005). International Law from Below: Development, Social Movements, and Third World Resistance. Cambridge University Press.
16. Ray, A. (2006). Judicial Review and Fundamental Rights. Eastern Law House.
17. Rudolph, L. I., & Rudolph, S. H. (2001). Explaining Indian Democracy: A Fifty-Year Perspective, 1956-2006. Oxford University Press.
18. Sathe, S. P. (2002). Judicial Activism in India: Transgressing Borders and Enforcing Limits. Oxford University Press.
19. Singh, M. P., & Deva, S. (Eds.). (2009). Constitutionalism and Diversity in India. Macmillan.
20. Singhvi, L. M. (2000). Evolution of the Indian Constitution: A Founding Document and Its Impact. Academic Foundation.

Course Name: Public Policy and Administration in India (DSC)**Course Code: BAGC33252****Course objectives**

The course seeks to provide an introduction to the interface between public policy and administration in India. It emphasis issues of democracy, social welfare and financial accountability from a non-western perspective.

Course Outline**Unit I: Public policy**

- a) Concept, theories and relevance
- b) Formulation, implementation and evaluation

Unit II: Decentralization

- a) Meaning, approaches and perspectives
- b) Administrative, functional and fiscal decentralization

Unit III: Public finance

- a) Budget
- b) Budgeting innovations
- c) Macro-economic adjustment.

Unit IV: Citizens and Administration

- a) Bringing people closer to Administration: E-governance
- b) Meaning and forms of public accountability and redressal of public grievances: RTI, Lokpal

Unit V: Policies of Social Welfare

- a) Education: Sarv Siksha Abhiyan
- b) Health: NRHM
- c) Employment: MNREGA

Suggested Readings:

1. Arora, R. K., & Goyal, R. (1995). Indian Public Administration: Institutions and Issues. Wishwa Prakashan.
2. Bava, N. (Ed.). (1997). Public Administration in the 21st Century. Kanishka Publishers.
3. Chakrabarty, B., & Bhattacharya, M. (Eds.). (2005). Public Administration: A Reader. Oxford University Press.
4. Debroy, B., & Bhandari, L. (Eds.). (2007). Corruption in India: The DNA and the RNA. Konark Publishers.
5. Dreze, J., & Sen, A. (2013). An Uncertain Glory: India and Its Contradictions. Princeton University Press.
6. Jain, R. B. (2001). Public Administration in India: 21st Century Challenges for Good Governance. Deep and Deep Publications.
7. Kaushik, S. L. (2005). Public Administration in India: Emerging Issues and Patterns. Gitanjali Publishing House.
8. Maheshwari, S. R. (2000). Indian Administration. Orient Blackswan.
9. Mehta, P. B. (2003). The Burden of Democracy. Penguin Books India.
10. Narain, I. (Ed.). (1995). Public Administration: Theory and Practice. Vikas Publishing House.
11. Pai, S., & Singh, S. (1997). Public Administration in India: Case-Studies. Indian Institute of Public Administration.
12. Prasad, K. (Ed.). (2008). Public Administration: Development, Planning, and Accountability. Sarup & Sons.
13. Ramesh, J. (2005). Making Sense of Chindia: Reflections on China and India. India Research Press.
14. Ray, S. (2004). Public Policy: A Study of Indian Political Economy. Sunrise Publications.
15. Singh, A. (2006). Public Administration: Roots and Wings. Macmillan India.
16. Singh, H. (2011). Public Administration: Theory and Practice. Pearson Education India.
17. Singh, S. K. (2001). Indian Administration. Anmol Publications.
18. Thakur, B. (2010). Public Policy and Governance in India. Global Vision Publishing House.
19. Tummala, K. K. (1996). Public Administration in India. Allied Publishers.

20. Verma, S. P., & Singh, S. K. (1990). Indian Administration: Problems and Perspectives.
Kanishka Publishers

Course Name: Environmental Economics (DSC)
Course Code: BAGC34252

Course objectives

This course introduces students to concepts, methods and policy options in managing the environment using tools of economic analysis. This course should be accessible to anyone with an analytical mind and familiarity with basic concepts of economics. Since several environmental problems are caused by economic activity (for instance, carbon emissions, over harvesting of renewable resources and air and water pollution as a by-product of industrial activity), this course examines different approaches to adjusting behaviour through economic institutions such as markets and incentives as well as through regulation, etc.

Course Outline

1. Introduction

Key environmental issues and problems, economic way of thinking about these problems, basic concepts from economics; Pareto optimality and market failure in the presence of externalities; property rights and other approaches.

2. The Design and Implementation of Environmental Policy

Overview, Pigouvian taxes and effluent fees, tradable permits, implementation of environmental policies in India and international experience; transboundary environmental problems; economics of climate change.

3. Environmental Valuation Methods and Applications

Valuation of non-market goods and services--theory and practice; measurement methods; cost-benefit analysis of environmental policies and regulations.

4. Sustainable Development

Concepts; measurement; perspectives from Indian experience

Readings

1. Roger Perman, Yue Ma, Michael Common, David Maddison and James McGilvray, "Natural Resource and Environmental Economics", Pearson Education/Addison 1 Wesley, 4th edition, 2011.
2. Charles Kolstad, "Intermediate Environmental Economics", Oxford University Press, 2nd edition, 2010.
3. Robert N. Stavins (ed.), "Economics of the Environment: Selected Readings", W.W. Norton, 6th edition, 2012.
4. Robert Solow, "An Almost Practical Step toward Sustainability," Resources for the Future 40th anniversary lecture, 1992.
5. Kenneth Arrow et al., "Are We Consuming Too Much?" Journal of Economic Perspectives, 18(3): 147-172, 2004.
6. IPCC (Intergovernmental Panel on Climate Change), Fifth Assessment Report (forthcoming 2014).

Course Name: Entrepreneurship (GE)

Course Code: GEC066013

Course objectives

To know about the importance of startups and government subsidies available for entrepreneur. The purpose of the paper is to orient the learner toward entrepreneurship as a career option and creative thinking and behavior.

Course Outline

Unit I: Introduction

Meaning, elements, determinants and importance of entrepreneurship and creative behavior; Entrepreneurship and creative response to the society' problems and at work; Dimensions of entrepreneurship: intrapreneurship, technopreneurship, cultural entrepreneurship, international entrepreneurship, netpreneurship, ecopreneurship, and social entrepreneurship.

Unit II: Entrepreneurship and Micro, Small and Medium Enterprises

Concept of business groups and role of business houses and family business in India; The contemporary role models in Indian business: their values, business philosophy and behavioral orientations; Conflict in family business and its resolution.

Unit III

Public and private system of stimulation, support and sustainability of entrepreneurship. Requirement, availability and access to finance, marketing assistance, technology, and industrial accommodation, Role of industries/entrepreneur's associations and self-help groups, The concept, role and functions of business incubators, angel investors, venture capital and private equity fund.

Unit IV: Sources of business ideas and tests of feasibility

Significance of writing the business plan/ project proposal; Contents of business plan/ project proposal; Designing business processes, location, layout, operation, planning & control; preparation of project report (various aspects of the project report such as size of investment, nature of product, market potential may be covered); Project submission/ presentation and appraisal thereof by external agencies, such as financial/non-financial institutions.

Unit V: Mobilizing Resource

Mobilizing resources for start-up. Accommodation and utilities; Preliminary contracts with the vendors, suppliers, bankers, principal customers; Contract management: Basic start-up problems.

Suggested Readings:

1. Kuratko and Rao, *Entrepreneurship: A South Asian Perspective*, Cengage Learning.
2. Robert Hisrich, Michael Peters, Dean Shepherd, *Entrepreneurship*, McGraw-Hill Education.

3. Desai, Vasant. *Dynamics of Entrepreneurial Development and Management*.
4. Mumbai, Himalaya Publishing House.
5. Dollinger, Mare J. *Entrepreneurship: Strategies and Resources*. Illinois, Irwin.
6. Holt, David H. *Entrepreneurship: New Venture Creation*. Prentice-Hall of India, New Delhi.
7. Plsek, Paul E. *Creativity, Innovation and Quality*. (Eastern Economic Edition), New Delhi: Prentice-Hall of India. ISBN-81-203-1690-8.
8. Singh, Nagendra P. *Emerging Trends in Entrepreneurship Development*. New Delhi: ASEED.
9. SS Khanka, *Entrepreneurial Development*, S. Chand & Co, Delhi.
10. K Ramachandran, *Entrepreneurship Development*, McGraw-Hill Education
11. SIDBI Reports on Small Scale Industries Sector.

Course Name: Biodiversity and Environment Conservation II (AEC)

Course Code: AECE55002

Course objectives

- To gain knowledge about the environment and its conservation along with sustainable development.
- To apply the concepts and principles of environmental science to propose solutions to specific environmental problems.
- To analyze environmental writings and predictions and their impact on subsequent developments in human relationship with the environment.
- To evaluate the adequacy of conclusions about environmental phenomena.

Course Outline:

Unit I: Biodiversity and Conservation

Levels of biological diversity: genetic, species and ecosystem diversity; Biogeographic zones of India; Biodiversity patterns and global biodiversity hot spots India as a mega-biodiversity nation; Endangered and endemic species of India. Threats to biodiversity: Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity. Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.

Unit II: Environmental Pollution

Environmental pollution: types, causes, effects, and controls; Air, water, soil, and noise pollution Nuclear hazards and human health risks, Solid waste management: Control measures of urban and industrial waste. Pollution case studies.

Environmental Policies & Practices: Sustainability and sustainable development. Climate change, global warming, ozone layer depletion, acid rain, and impacts on human communities and agriculture. Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and Control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act. Nature reserves, tribal populations and rights, and human-wildlife conflicts in the Indian context.

Unit III: Human Communities and the Environment

Human population growth: Impacts on environment, human health and welfare. Resettlement and rehabilitation of project-affected persons; case studies. Disaster management: floods, earthquakes, cyclones, and landslides. Environmental movements: Chipko, Silent Valley, Bishnois of Rajasthan. Environmental ethics: Role of Indian and other religions and cultures in environmental conservation. Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi).

Fieldwork; Visit an area to document environmental assets: river/ forest/ flora/fauna, etc. Visit to a local polluted site-Urban/Rural/Industrial/Agricultural. Study of common plants, insects, birds, and basic principles of identification. Study of simple ecosystems-pond, river, Delhi Ridge, etc.

Suggested Readings:

1. Pepper, I.L., Gerba, C.P. & Brusseau, M.L. 2011. Environmental and Pollution Science. Academic press, 2011.
2. Rao MN and Datta AK, 1987. Waste Water Treatment. Oxford and IBH Publishing Co. Pvt. Ltd.
3. Raven, P.H., Hassenzahl, D.M. & Berg, L.R. 2012. Environment. 8th edition. John Wiley & Sons.
4. Ricklefs, R. E., & Miller, G.L. 2000. Ecology. W. H. Freeman, New York.
5. Robbins, P. 2012. Political ecology: A critical introduction. John Wiley & Sons.
6. Rosencranz, A., Divan, S. & Noble, M.L.. Environmental law and policy in India. 2001. Tripathi 1992.
7. Sengupta, R. 2003. Ecology and economics (OUP): An approach to sustainable development." OUP Catalogue.
8. Singh, J.S., Singh, S.P. and Gupta, S.R. 2006. Ecology, Environment and Resource Ecology, Environment and Resource Conservation. Anamaya Publishers.
9. Sodhi, N.S., Gibson, L. & Raven, P.HG. (eds). 2013. Conservation biology: voices from the Tropics. John Wiley & Sons.
10. Van Leeuwen, C. J., & Vermeire, T. G. 2007. Risk assessment of chemicals.
11. World Commission on Environment and Development. 1987. Our Common Future. Oxford: Oxford University Press.

Course Name: Human Values and Professional Ethics (VAC4)
Course Code: VAC088014

Course objectives

The course "Human Values and Professional Ethics" aims to instill ethical principles and human values in students, fostering moral development and integrity. It emphasizes the importance of ethical decision-making, respect for diversity, and social responsibility, preparing students to navigate professional and personal challenges with a strong ethical foundation.

Course Outlines:

Unit I: Values & Ethics

Concept of Values and its formation; Values and Behaviour. What is Ethics? Nature and scope of Ethics; Morality vs. Legality dilemma. Facts and value; Ethical subjectivism and Relativism,

Unit II: Ethics and Business

Moral Development (Kohlberg's 6 stages of Moral Development), Ethics and Business, Myth of a Moral Business.

Unit III: Decision making (Normal Dilemmas and Problems)

Application of Ethical theories in Business, (i) **Utilitarianism** (J. Bentham and J.S. Mill), (ii) **Deontology** (I. Kant) (iii) **Virtue Ethics** (Aristotle).

Economic Justice: Distributive Justice, John Rawls **Libertarian Justice** (Robert Nozick).

Unit IV: Corporate Social Responsibility of Business

Concept of CSR; Changing expectation of society; Model's of CSR: - Carroll's Model; Ackerman's Model. Need of Social Responsibility of Business, Consumerism and Consumer Rights.

Suggested Readings:

1. Values & Ethics, Kaur Tripat, Galgotia Publishers.
2. Ethics in Management: A Vedantic Perspective; Chakraborty, S. K. Oxford University Press.
3. Human Values for Managers; Chakraborty S. K., Oxford University Press.

9. Lesson Plans

BAGC32251-Citizen Laws and Rights (DSC)

| Unit | Particulars | Class No. | Pedagogy of Class |
|----------|---|-----------|----------------------|
| Unit-I | Criminal Administration and Citizen's Rights | C-1 | Lecture |
| Unit-I | Arrest | C-2 | Lecture |
| Unit-I | Detention | C-3 | Lecture |
| Unit-I | Bail Provisions | C-4 | Lecture |
| Unit-I | Filing First Information Report | C-5 | Lecture |
| Unit-I | Right to Privacy | C-6 | Lecture |
| Unit-I | Right to Privacy | C_7 | Lecture |
| Unit-I | Citizen's Rights during Interrogation and Investigation | C- 8 | Lecture |
| | Classroom Assignment | C-9 | Classroom Assignment |
| Unit-I | Sedition Act | C-10 | Lecture |
| Unit-I | Sedition Act | C-11 | Lecture |
| Unit-II | Citizen Access to Information and Rights of Consumers | C-12 | Lecture |
| Unit-II | Right to Information | C -13 | Lecture |
| Unit-II | Right to Information | C- 14 | Lecture |
| Unit-II | Clarification Class | C-15 | Clarification Class |
| | Home assignment | | Home assignment |
| Unit-II | Right to Information | C-16 | Lecture |
| Unit-II | Right to Information | C 17 | Lecture |
| Unit-II | Right to Information | C-18 | Lecture |
| Unit-II | Right to Information | C-19 | Lecture |
| Unit-II | Consumer Protection Act | C-20 | Lecture |
| Unit-II | Consumer Protection Act | C-21 | Lecture |
| Unit-II | Consumer Protection Act | C -22 | Lecture |
| | Classroom Assignment | C-23 | Class Assignment |
| Unit-II | Consumer Protection Act | C-24 | Lecture |
| Unit-II | Clarification Class | C-25 | Clarification Class |
| Unit-III | Rights against Discrimination | C-26 | Lecture |
| Unit-III | Laws against Caste discrimination and Untouchability | C-27 | Lecture |
| Unit-III | Laws against Caste discrimination and Untouchability | C-28 | Lecture |
| Unit-III | Laws against Caste discrimination and Untouchability | C-29 | Lecture |
| Unit-III | Rights against Gender Discrimination | C-30 | Lecture |
| | Presentation | C-31 | Presentation |
| Unit-III | Rights against Gender Discrimination | C- 32 | Lecture |
| Unit-III | Rights against Gender Discrimination | C-33 | Lecture |
| | Classroom Assignment | C-34 | Assignment |
| Unit-III | Rights against Gender Discrimination | C-35 | Lecture |
| Unit-III | Rights of women in ancestral Property | C-36 | Lecture |
| | Home Assignment | | Home Assignment |

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| Unit-III | Rights of women in ancestral Property | C-37 | Lecture |
| Unit-III | Rights of women in ancestral Property | C-38 | Lecture |
| Unit-III | Clarification Class | C-39 | Clarification Class |
| Unit-IV | Rights of the Forest Dwellers | C-40 | Lecture |
| Unit-IV | Rights of the Forest Dwellers | C-41 | Lecture |
| | Presentation | C-42 | Presentation |
| Unit-IV | Rights of the displaced people | C-43 | Lecture |
| Unit-IV | Clarification Class | C-44 | Lecture |
| Unit-V | Documents for the Citizens | C- 45 | Lecture |
| Unit-V | Aadhar Card | C-46 | Lecture |
| Unit-V | Classroom Assignment | C-47 | Classroom Assignment |
| Unit-V | Voter Id Card | C-48 | Lecture |
| Unit-V | Passport | C-49 | Lecture |
| Unit-V | Passport | C-50 | Lecture |
| Unit-V | Clarification Class | C-51 | Lecture |
| Unit-VI | National Registration of Citizens | C-52 | Lecture |
| Unit-VI | National Registration of Citizens | C-53 | Lecture |
| | Home assignment | C-54 | Lecture |
| Unit-VI | Benefiting from Government Programmes | C-55 | Lecture |
| Unit-VI | Ayushman Bharat Yojana | C-56 | Lecture |
| Unit-VI | Ayushman Bharat Yojana | C-57 | Lecture |
| Unit-VI | Ujjwala Yojana | C-58 | Lecture |
| Unit-VI | Ujjwala Yojana | C-59 | Lecture |
| Unit-VI | Clarification Class | C- 60 | Clarification Class |

BAGC33252– Public Policy and Administration in India (DSC)

| Unit | Particulars | Class No. | Pedagogy of Class |
|----------|---|-----------|----------------------|
| Unit-I | What is Public Administration | C-1 | Lecture |
| Unit-I | Introduction to Public Policy | C-2 | Lecture |
| Unit-I | Concept of Public Policy | C-3 | Lecture |
| Unit-I | Concept of Public Policy | C-4 | Lecture |
| Unit-I | Theories of Public Policy | C-5 | Lecture |
| Unit-I | Theories of Public Policy | C-6 | Lecture |
| Unit-I | Relevance of Public Policy | C-7 | Lecture |
| Unit-I | Formulation, implementation and evaluation | C-8 | Lecture |
| Unit-I | Different Agencies of Policy Making | C-9 | Lecture |
| Unit-I | Different Agencies of Policy Making | C-10 | Lecture |
| Unit-I | Formulation, implementation and evaluation of New Education Policy | C-11 | Lecture |
| Unit-I | Formulation, implementation and evaluation of New Education Policy New Education Policy | C-12 | Lecture |
| Unit-I | Formulation and Evaluation of Consumer Protection Act | C-13 | Lecture |
| Unit-I | Formulation and Evaluation of Consumer Protection Act | C-14 | Lecture |
| Unit-I | Clarification Class | C-15 | Clarification Class |
| | Class Room Assignment | C-16 | Class Assignment |
| Unit-II | Decentralization a) Meaning, approaches | C-17 | Lecture |
| Unit-II | Decentralization a) Meaning, approaches | C-18 | Lecture |
| Unit-II | Decentralization 73rd Constitutional Ament Act | C-19 | Lecture |
| Unit-II | Decentralization 73rd Constitutional Ament Act | C-20 | Lecture |
| Unit-II | Decentralization 74th Constitutional Ament ACT | C-21 | Lecture |
| Unit-II | Decentralization 74th Constitutional Ament ACT | C-22 | Lecture |
| Unit-II | Activity | C-23 | Activity |
| Unit-II | Administrative, functional and fiscal decentralization | C-24 | Clarification Class |
| | Class Room Assignment | C-25 | Class Assignment |
| Unit-II | Administrative, functional and fiscal decentralization | C-26 | Lecture |
| Unit-II | Administrative, functional and fiscal decentralization | C-27 | Lecture |
| Unit-II | Clarification Class | C-28 | Lecture |
| Unit-II | Class Room Assignment | C-29 | Lecture |
| Unit-III | What is Budget | C-30 | Lecture |
| Unit-III | Types Of Budget | C-31 | Lecture |
| Unit-III | How Budget is Passes In Lok Sabha | C-32 | Lecture |
| Unit-III | Discussion of Budget 2020 as Budget innovation | C-33 | Lecture |
| Unit-III | Budgeting innovations | C-34 | Lecture |
| | Take Home Assignment | | Take Home Assignment |
| Unit-III | Macro-economic adjustment. | C-35 | Lecture |
| Unit-III | Activity | C-36 | Activity |
| Unit-III | Macro-economic adjustment. | C-37 | Lecture |
| | Presentation | C-38 | Presentation |
| Unit-III | Clarification Class- | C-39 | Clarification Class |
| Unit-IV | Citizens and Administration | C-40 | Lecture |
| Unit-IV | Bringing people closer to Administration: E- | C-41 | Lecture |

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| | governance | | |
| Unit-IV | Bringing people closer to Administration: E-governance | C-42 | Lecture |
| Unit-IV | Quiz | C-43 | Quiz |
| Unit-IV | Meaning and forms of public accountability and redressal of public grievances: RTI, | C-44 | Lecture |
| | Take Home Assignment | | Home Assignments |
| Unit-IV | Meaning and forms of public accountability and redressal of public grievances: RTI, | C-45 | Lecture |
| Unit-IV | Meaning and forms of public accountability and redressal of public grievances: RTI, | C-46 | Lecture |
| Unit-IV | Lok Bal and role of Civil Society Movement on Passing Of Lok Pal Bill | C-47 | Lecture |
| Unit-IV | Lok Bal and role of Civil society Movement on Passing Of Lok Pal Bill | C-48 | Lecture |
| Unit-IV | Activity | C-49 | Activity |
| Unit-IV | Clarification Class | C-50 | Clarification Class |
| Unit-V | Policies of Social Welfare and its Significance | C-51 | Lecture |
| Unit-V | Education: Sarv Siksha Abhiyan | C-52 | Lecture |
| Unit-V | Education: Sarv Siksha Abhiyan | C-53 | Lecture |
| Unit-V | Policy of social Welfare health | C-54 | Lecture |
| | Home Assignment | | Home Assignments |
| Unit-V | Health and NRHM | C-55 | Lecture |
| Unit-V | Seminar | C-56 | Lecture |
| Unit-V | Health and NRHM | C-57 | Lecture |
| Unit-V | Employment: MNREGA | C-58 | Lecture |
| Unit-V | Employment: MNREGA | C-59 | Lecture |
| Unit-V | Clarification Class | C-60 | Lecture |

BAGC34252- Environmental Economics

| Unit | Particulars | Class No. | Pedagogy of Class |
|----------|--|-----------|---------------------|
| Unit-I | Introduction and Subject Overview | C- 1 | Lecture |
| Unit-I | Key environmental issues and problems | C- 2 | Lecture |
| Unit-I | Key environmental issues and problems | C -3 | Lecture |
| Unit-I | Economic way of thinking about these problems | C- 4 | Lecture |
| Unit-I | Economic way of thinking about these problems | C- 5 | Lecture |
| Unit-I | Basic concepts from Economics | C- 6 | Lecture |
| Unit-I | Pareto optimality | C- 7 | Lecture |
| Unit-I | Pareto optimality | C- 8 | Lecture |
| Unit-I | Classroom Assignment | C- 9 | Class Assignment |
| Unit-I | Market failure in the presence of externalities | C -10 | Lecture |
| Unit-I | Market failure in the presence of externalities | C- 11 | Lecture |
| Unit-I | property rights and other approaches. | C -12 | Lecture |
| Unit-I | property rights and other approaches. | C- 13 | Lecture |
| Unit-I | Clarification Class | C- 14 | Clarification Class |
| | Home Assignment | | Home Assignment |
| Unit-II | The Design and Implementation of Environmental Policy – Introduction to the unit | C- 15 | Lecture |
| Unit-II | Overview of the concept | C- 16 | Lecture |
| Unit-II | Pigouvian taxes | C- 17 | Lecture |
| Unit-II | Pigouvian taxes and effluent fees | C- 18 | Lecture |
| Unit-II | Pigouvian taxes and effluent fees (Analysis) | C- 19 | Lecture |
| Unit-II | Pigouvian taxes and effluent fees (Analysis) | C- 20 | Lecture |
| Unit-II | Pigou's theory | C -21 | Lecture |
| Unit-II | tradable permits | C- 22 | Lecture |
| Unit-II | implementation of environmental policies in India and international experience | C- 23 | Lecture |
| Unit-II | implementation of environmental policies in India and international experience | C- 24 | Lecture |
| Unit-II | Transboundary environmental problems | C- 25 | Lecture |
| Unit-II | Transboundary environmental problems | C- 26 | Lecture |
| Unit-II | Presentation | C- 27 | Presentation |
| Unit-II | economics of climate change | C- 28 | Lecture |
| Unit-II | economics of climate change | C- 29 | Lecture |
| Unit II | Classroom Assignment | C- 30 | Class Assignment |
| Unit-II | economics of climate change | C- 31 | Lecture |
| Unit-II | Clarification Class | C- 32 | Clarification Class |
| | Home Assignment | | Home Assignment |
| Unit-III | Environmental Valuation Methods and Applications (An Introduction to the unit) | C- 33 | Lecture |
| Unit-III | Environmental Valuation Methods and Applications (Overview to the concept) | C- 34 | Lecture |
| Unit-III | Valuation of non-market goods and services (introduction) | C- 35 | Lecture |
| Unit-III | Presentation | C- 36 | Presentation |
| Unit-III | Valuation of non-market goods and services – Theory | C- 37 | Lecture |
| Unit-III | Valuation of non-market goods and services – Practices | C- 38 | Lecture |

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| Unit-III | Activity | C- 39 | Activity |
| Unit III | Measurement Methods | C- 40 | Lecture |
| Unit-III | Measurement Methods | C- 41 | Lecture |
| Unit-III | cost-benefit analysis of environmental policies and regulations | C- 42 | Lecture |
| Unit-III | cost-benefit analysis of environmental policies and regulations | C- 43 | Lecture |
| Unit-III | Activity | C- 44 | Activity |
| Unit-III | cost-benefit analysis of environmental policies and regulations | C- 45 | Lecture |
| Unit -III | cost-benefit analysis of environmental policies and regulations | C -46 | Lecture |
| | Classroom Assignment | C- 47 | Class Assignment |
| Unit-III | Clarification Class | C- 48 | Clarification Class |
| Unit-III | Home Assignment | | Home Assignment |
| Unit-IV | Sustainable Development – Meaning of the Concept | C- 49 | Lecture |
| Unit-IV | Sustainable Development – History and development | C- 50 | Lecture |
| Unit-IV | Sustainable Development – Conventions | C- 51 | Lecture |
| Unit-IV | Sustainable Development – Conventions | C- 52 | Lecture |
| Unit-IV | Measurement of Sustainable Development | C- 53 | Lecture |
| Unit-IV | Measurement of Sustainable Development | C- 54 | Lecture |
| Unit-IV | Measurement of Sustainable Development | C- 55 | Lecture |
| Unit-IV | Perspectives from Indian experience | C- 56 | Lecture |
| Unit-IV | Perspectives from Indian experience | C- 57 | Lecture |
| Unit-IV | Perspectives from Indian experience | C- 58 | Lecture |
| Unit-IV | Perspectives from Indian experience | C- 59 | Lecture |
| Unit-IV | Clarification Class | C- 60 | Clarification Class |

GEC066013- Entrepreneurship (GE4)

| Unit | Particulars | Class No. | Pedagogy of Class |
|----------|--|-----------|-----------------------|
| Unit-I | Meaning, elements and determinants | C-1 | Lecture |
| Unit-I | Creative behaviour & Entrepreneur | C-2 | Lecture |
| Unit-I | Creative response to society, Problems at work | C-3 | Lecture |
| Unit-I | Dimension of entrepreneurship | C-4 | Lecture |
| Unit-I | Importance of entrepreneurship | C-5 | Lecture |
| Unit-I | Class Room Assignment | C-6 | Lecture |
| Unit-I | Entrepreneurship | C-7 | Lecture |
| Unit-I | Technopreneurship, Social Entrepreneurship | C-8 | Lecture |
| Unit-I | Culture and international entrepreneurship | C-9 | Lecture |
| Unit-I | Webinar | C-10 | Webinar |
| Unit-I | Clarification class | C-11 | Clarification class |
| Unit-I | Presentation | C-12 | Presentation |
| Unit-II | MSME | C-13 | Lecture |
| Unit-II | Case- Lecture | C-14 | Lecture |
| Unit-II | Concept of business group, Role of Business house and family business in India | C-15 | Lecture |
| Unit-II | Contemporary role model in Indian business & their business philosophy | C-16 | Lecture |
| Unit-II | Contemporary role model in Indian business& Their Values | C-17 | Lecture |
| Unit-II | Behavioural orientation | C-18 | Lecture |
| Unit-II | Guest Lecture | C-19 | Guest Lecture |
| Unit-II | Conflicts in Family Business | C-20 | Lecture |
| Unit-II | Conflicts in Family Business & Resolution | C-21 | Lecture |
| Unit-II | Take Home Assignment | | Home Assignment |
| Unit-II | Clarification class | C-22 | Clarification class |
| Unit-III | Public /Private system of stimulation | C-23 | Lecture |
| Unit-III | Class Room Assignment | C-24 | Class Room Assignment |
| Unit-III | Support and Sustainability of entrepreneurship | C-25 | Lecture |
| Unit-III | Availability and access to finance, Marketing assistance | C-26 | Lecture |
| Unit-III | Marketing assistance, Technology and industrial accommodation | C-27 | Lecture |
| Unit-III | Seminar | C-28 | Seminar |
| Unit-III | Role of Industries/association/Self-help group | C-29 | Lecture |
| Unit-III | concept, Role & Function of business incubators | C-30 | Lecture |
| Unit-III | Class Room Assignment | C-31 | Class Assignment |
| Unit-III | Angel investors | C-32 | Lecture |
| Unit-III | venture Capital, Private Equity Fund | C-33 | Lecture |
| Unit-III | Clarification class | C-34 | Clarification class |
| Unit-IV | Sources of Business Idea | C-35 | Lecture |
| Unit-IV | Significance of writing the business plan | C-36 | Lecture |
| Unit-IV | Project proposal: Content of business plan | C-37 | Lecture |
| Unit-IV | Clarification Class | C-38 | Clarification class |
| Unit-IV | Take Home Assignment | | Home Assignment |
| Unit-IV | Designing of business process | C-39 | Lecture |

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| Unit-IV | Preparation of project (Market potential) | C-40 | Lecture |
| Unit-IV | Quiz | C-41 | Quiz |
| Unit-IV | Project submission | C-42 | Lecture |
| Unit-IV | Appraisal by external agency | C-43 | Lecture |
| Unit-IV | Appraisal by external agency | C-44 | Lecture |
| Unit-IV | Appraisal by non-financial institution | C-45 | Lecture |
| Unit-IV | Clarification Class | C-46 | Clarification Class |
| Unit-IV | Presentation | C-47 | Presentation |
| Unit-V | Mobilizing resources for start up | C-48 | Lecture |
| Unit-V | Guest Lecture | C-49 | Guest Lecture |
| Unit-V | Start up Accommodation | C-50 | Lecture |
| Unit-V | Start up utilities | C-51 | Lecture |
| Unit-V | Class Room Assignment | C-52 | Class Assignment |
| Unit-V | Clarification Class | C-53 | Clarification Class |
| Unit-V | Preliminary contract with Suppliers, Vendor | C-54 | Lecture |
| Unit-V | Preliminary Contract with Banker, Principal Customer | C-55 | Lecture |
| Unit-V | Preliminary Contract with Banker, Principal Customer | C-56 | Lecture |
| Unit-V | Contract management | C-57 | Lecture |
| Unit-V | Basic start up problem | C-58 | Lecture |
| Unit-V | Presentation | C-59 | Presentation |
| Unit-V | Clarification Class | C-60 | Clarification Class |

AECE55002– Biodiversity and Environment Conservation (AEC)

| Unit | Particulars | Class No. | Pedagogy of Class |
|----------|--|-----------|----------------------|
| Unit-I | Introduction to Biodiversity and Conservation | C-1 | Lecture |
| Unit-I | Levels of biological diversity: genetic, species and ecosystem diversity | C-2 | Lecture |
| Unit-I | Bio-geographic zones of India; | C-3 | Lecture |
| Unit-I | Biodiversity patterns and global biodiversity hot spots India as a mega-biodiversity nation | C-4 | Lecture |
| Unit-I | Endangered and endemic species of India | C-5 | Lecture |
| Unit-I | Threats to biodiversity: Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; | C-6 | Lecture |
| Unit-I | Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity | C-7 | Lecture |
| Unit-I | Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value | C-8 | Lecture |
| Unit-I | Clarification Class | C-9 | Clarification Class |
| Unit-II | Environmental Pollution: Introduction | C-10 | Lecture |
| Unit-II | Environmental Pollution: types, causes, effects, and controls; Air, water, soil, and noise pollution | C-11 | Lecture |
| Unit-II | Presentation | C-12 | Presentation |
| Unit-II | Classroom Assignment | C-13 | Classroom Assignment |
| Unit-II | Nuclear hazards and human health risks, | C-14 | Lecture |
| Unit-II | Solid waste management: Control measures of urban and industrial waste | C-15 | Lecture |
| Unit-II | Pollution case studies | C-16 | Case Studies |
| Unit-II | Environmental Policies & Practices: Sustainability and sustainable development | C-17 | Lecture |
| Unit-II | Climate change, global warming, ozone layer depletion, acid rain, and impacts on human communities and agriculture | C-18 | Lecture |
| Unit-II | Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; | C-19 | Lecture |
| Unit-II | Clarification Class | C-20 | Clarification Class |
| Unit-III | Human Communities and the Environment- Introduction | C-21 | Lecture |
| Unit-III | Human population growth: Impacts on environment, human health and welfare | C-22 | Lecture |
| Unit-III | Resettlement and rehabilitation of project-affected persons | C-23 | Lecture |
| Unit-III | Classroom Assignment | C-24 | Classroom Assignment |
| Unit-III | Presentation | C-25 | Presentation |
| Unit-III | Quiz | C-26 | Quiz |
| Unit-III | Case studies (e.g., CNG vehicles in Delhi). | | Case Studies |
| Unit-III | Fieldwork; Visit an area to document environmental assets: river/ forest/ flora/fauna, etc. | C-27 | Lecture |
| Unit-III | Visit to a local polluted site- | C-28 | Lecture |

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| | Urban/Rural/Industrial/Agricultural. Study of common plants, insects, birds, and basic principles of identification | | |
| Unit-III | Study of simple ecosystems-pond, river, Delhi Ridge, etc. | C-29 | Lecture |
| Unit-III | Clarification Class | C-30 | Clarification Class |

VAC088014 Human Values and Professional Ethics (VAC4)

| Unit | Particulars | Class No. | Pedagogy of Class |
|----------|---|-----------|---------------------|
| Unit-I | Introduction and Description of COs and POs | C-1 | Lecture |
| Unit-I | Concept of Values and its formation; Values and Behaviour | C-2 | Lecture |
| Unit-I | What is Ethics? Nature and scope of ethics | C-3 | Lecture |
| Unit-I | Morality vs. Legality dilemma | C-4 | Lecture |
| Unit-I | Facts and value | C-5 | Lecture |
| Unit-I | Ethical subjectivism and Relativism | C-6 | Lecture |
| Unit-I | Clarification Class I | C-7 | Clarification Class |
| Unit-I | Home Assignments | | Home Assignments |
| Unit-II | Moral Development | C-8 | Lecture |
| Unit-II | Kohlberg's 6 stages of Moral Development | C-9 | Lecture |
| Unit-II | Ethics and Business | C-10 | Lecture |
| Unit-II | Myth of a Moral Business. | C-11 | Lecture |
| Unit-II | Clarification Class | C-12 | Clarification Class |
| Unit-II | Presentation | C-13 | Presentation |
| Unit-II | Class Assignment | C-14 | Class Assignment |
| Unit-II | Activity | C-15 | Activity |
| Unit-III | Decision making (Normal Dilemmas and Problems) | C-16 | Lecture |
| Unit-III | Application of Ethical theories in Business, | C-17 | Activity |
| Unit-III | Utilitarianism (J. Bentham and J.S. Mill) | C-18 | Lecture |
| Unit-III | Deontology (I. Kant) | C-19 | Lecture |
| Unit-III | Virtue Ethics (Aristotle) | C-20 | Lecture |
| Unit-III | Economic Justice: Distributive Justice, John Rawls | C-21 | Lecture |
| Unit-III | Libertarian Justice (Robest Nozick) | C-22 | Lecture |
| Unit-III | Class Assignment | C-23 | Class Assignment |
| Unit-III | Clarification Class | C-24 | Clarification Class |
| Unit-IV | Corporate Social Responsibility of Business | C-25 | Lecture |
| Unit-IV | Concept of CSR; Changing expectation of society | C-26 | Lecture |
| Unit-IV | Models of CSR: - Carroll's Model; Ackerman's Model. | C-27 | Lecture |
| Unit-IV | Need of Social Responsibility of Business | C-28 | Lecture |
| Unit-IV | Consumerism and Consumer Rights | C-29 | Guest Lecture |
| Unit-IV | Clarification Class | C-30 | Clarification Class |

Note:

This is a tentative lesson plan. The same may change from faculty to faculty as per the teaching pedagogy adopted by the faculty.

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